Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/12/2021 10:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124608	-1	1.37	124447	1.39
Blue	F	SSC	125000	122444	-3	2.28	122746	2.16
Blue	E	FITC	13131	12721	-4	2.48	293	15.83
Blue	D	PE	24112	23689	-2	1.94	543	10.9
Blue	B	PerCP-Cy5-5	31295	30810	-2	3.23	1021	14.91
Blue	A	PE-Cy7	19939	19803	-1	5.34	527	29.65
Red	C	APC	42122	41575	-2	2.82	1739	11.63
Red	A	APC-Cy7	22340	21797	-3	3.14	813	11.65
Violet	B	V450	7410	7079	-5	3.23	428	12.86
Violet	A	V500	28118	27096	-4	2.78	676	9.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22733	1.92	584	15	N/A	N/A	Pass
Blue	F	SSC	57116	1.19	521	9	N/A	N/A	Pass
Blue	E	FITC	54	54.62	488	1	0.0393	88	Pass
Blue	D	PE	115	38.44	491	3	0.4613	418	Pass
Blue	B	PerCP-Cy5-5	191	36.51	589	3	0.0188	65	Pass
Blue	A	PE-Cy7	105	68.12	632	4	0.0211	0	Pass
Red	C	APC	400	24.1	581	5	0.0259	117	Pass
Red	A	APC-Cy7	183	27.86	556	5	0.0064	1245	Pass
Violet	B	V450	61	63.54	454	1	0.0531	2012	Pass
Violet	A	V500	98	34.59	466	1	0.0279	1060	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.76	-31.35	1.09
Blue	20.37	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.05	13.60 - 20.40	N/A	N/A	29.62	29.94	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12537

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments